

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX010010.D
 Acq On : 01 Jun 2019 02:08
 Operator : JC/SP
 Sample : K3129-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW201-190528

Quant Time: Jun 01 04:49:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	279127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112582	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116426	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
35) Dibromofluoromethane	5.50	113	87263	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	8.71	98	356582	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.13	95	120341	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	

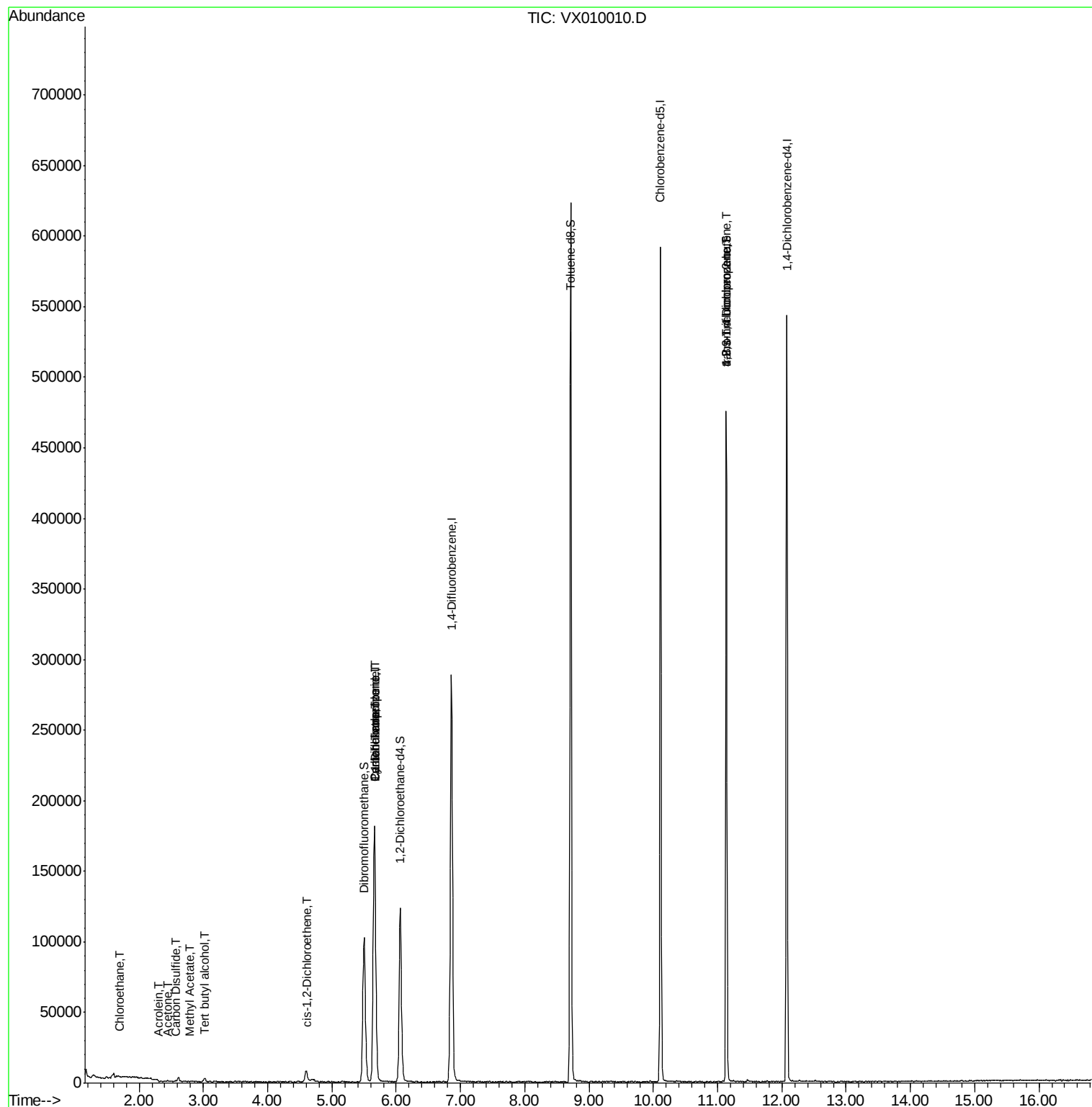
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	453	0.282	ug/l #	62
11) Tert butyl alcohol	3.02	59	1533	2.502	ug/l #	76
13) Acrolein	2.30	56	74	21.253	ug/l #	79
16) Acetone	2.45	43	786	0.546	ug/l #	76
17) Carbon Disulfide	2.57	76	570	0.489	ug/l #	78
18) Methyl Acetate	2.79	43	688	0.206	ug/l #	57
27) cis-1,2-Dichloroethene	4.61	96	4978	2.171	ug/l	86
31) Cyclohexane	5.67	56	3886	1.026	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13804	4.874	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16465	6.728	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	62049	23.048	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62049	57.024	ug/l #	10

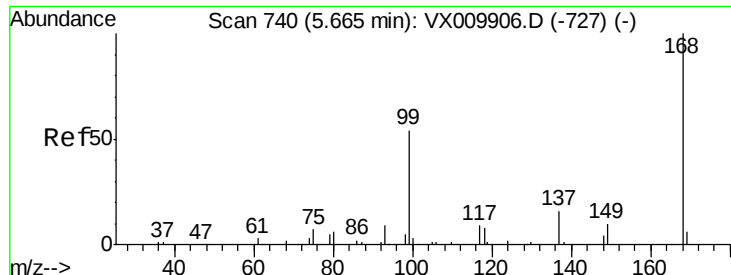
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010010.D

Acq: 01 Jun 2019 02:08

Instrument :

MSVOA_X

ClientSampleId :

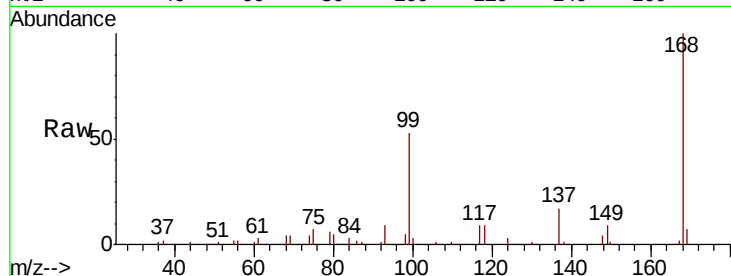
LF012MW201-190528

Tot Ion:168 Resp: 176252

Ion Ratio Lower Upper

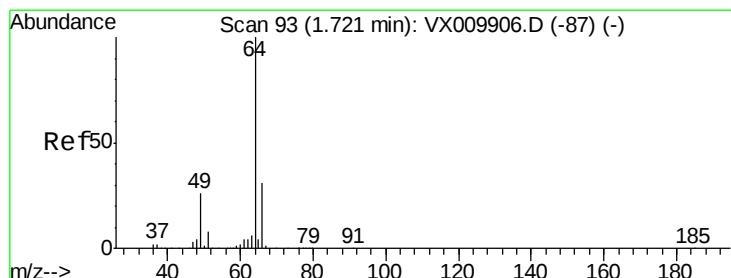
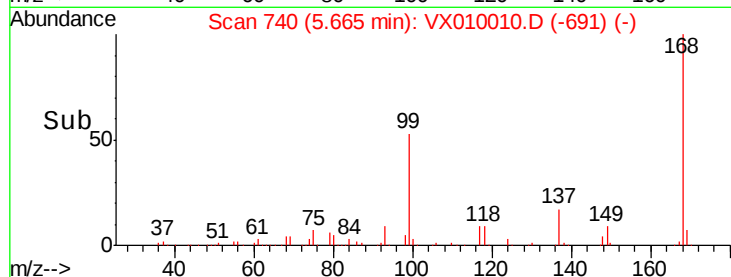
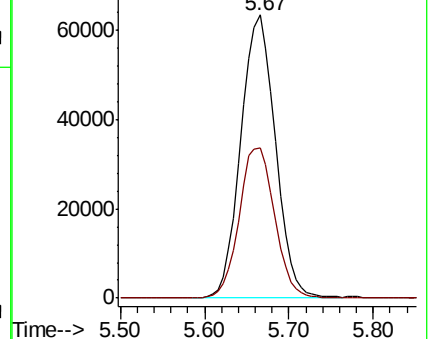
168 100

99 52.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.282 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX010010.D

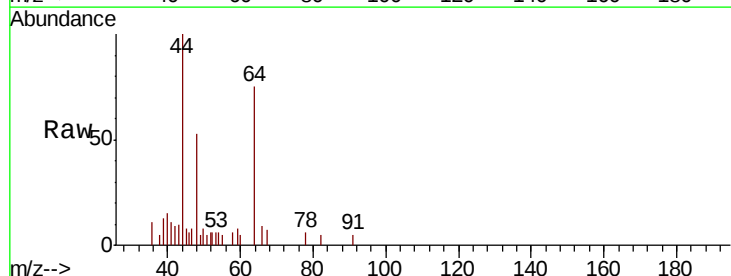
Acq: 01 Jun 2019 02:08

Tgt Ion: 64 Resp: 453

Ion Ratio Lower Upper

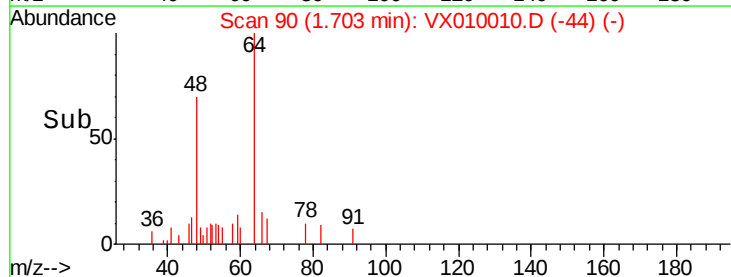
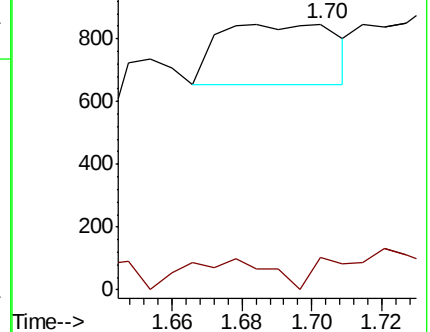
64 100

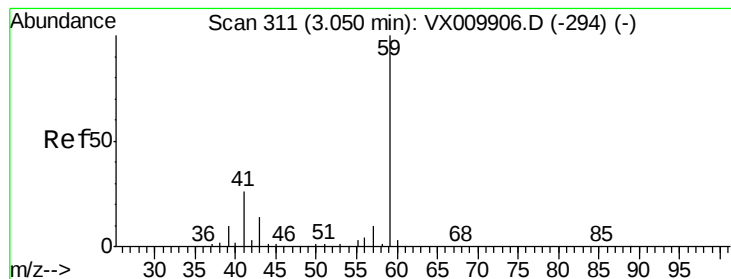
66 10.4 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



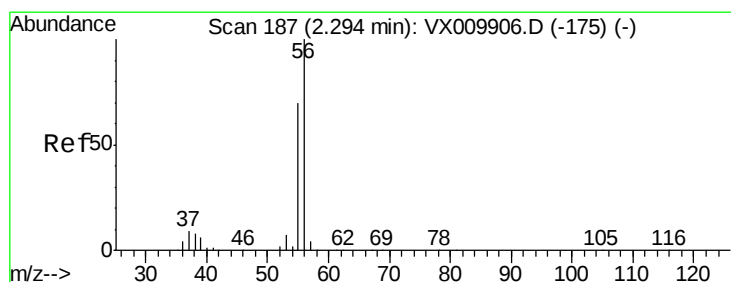
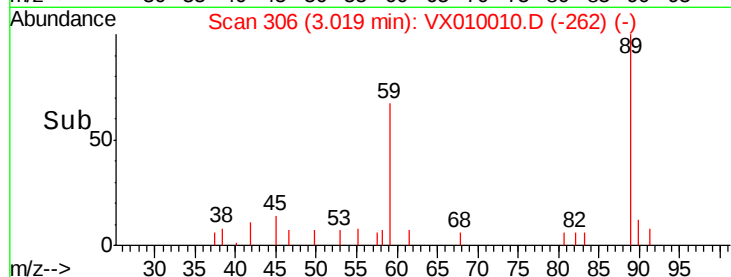
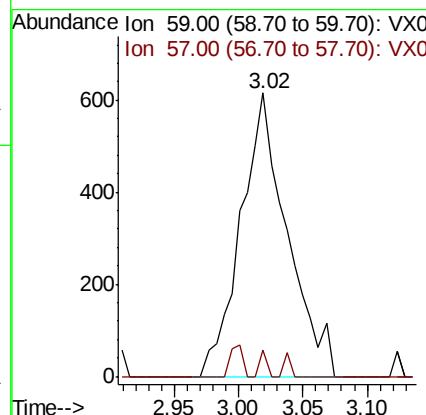
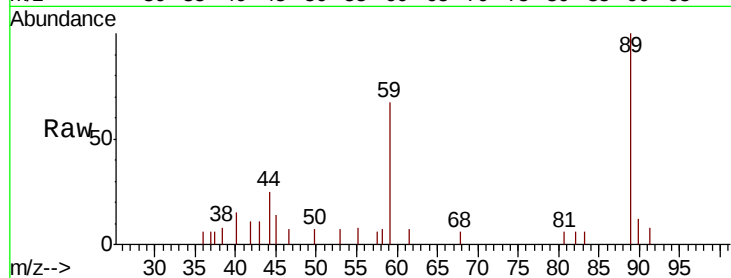


#11

Tert butyl alcohol
 Concen: 2.502 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010010.D
 Acq: 01 Jun 2019 02:08

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW201-190528

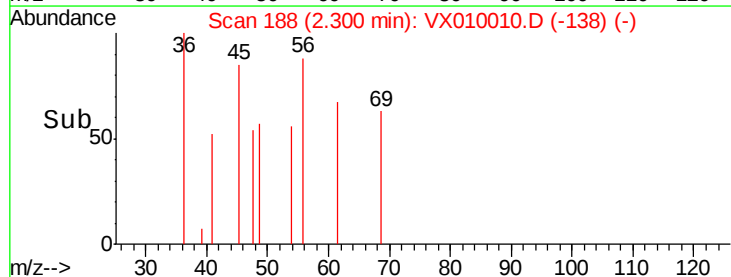
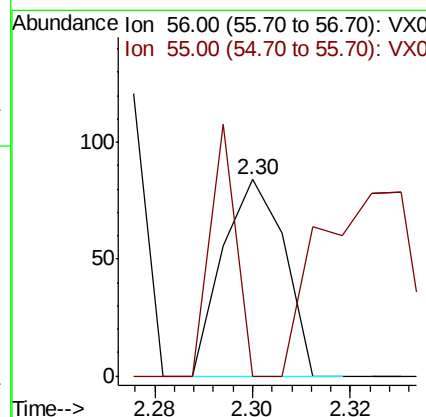
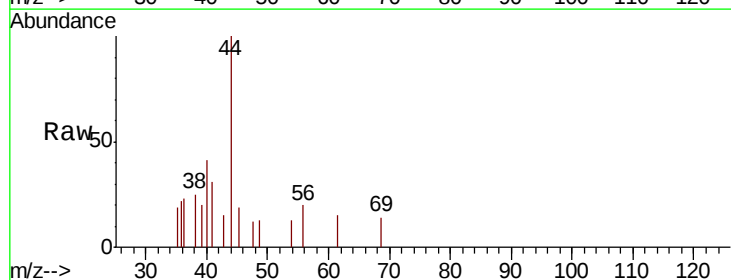
Tot Ion: 59 Resp: 1533
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.2 12.2#

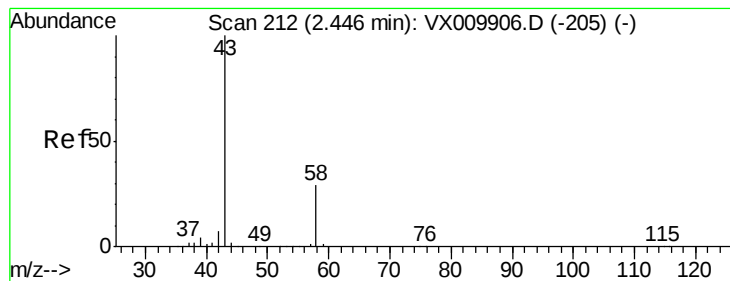


#13

Acrolein
 Concen: 21.253 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX010010.D
 Acq: 01 Jun 2019 02:08

Tgt Ion: 56 Resp: 74
 Ion Ratio Lower Upper
 56 100
 55 54.1 57.0 85.4#





#16

Acetone

Concen: 0.546 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010010.D

Acq: 01 Jun 2019 02:08

Instrument :

MSVOA_X

ClientSampleId :

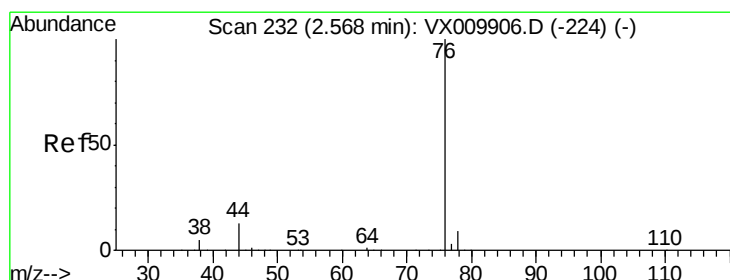
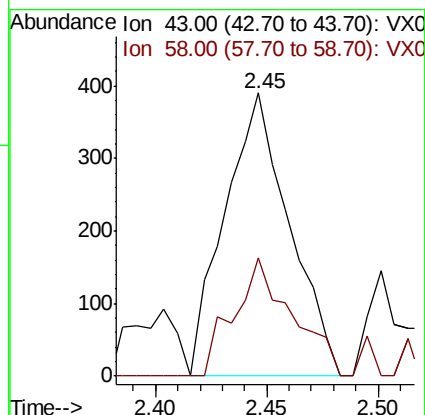
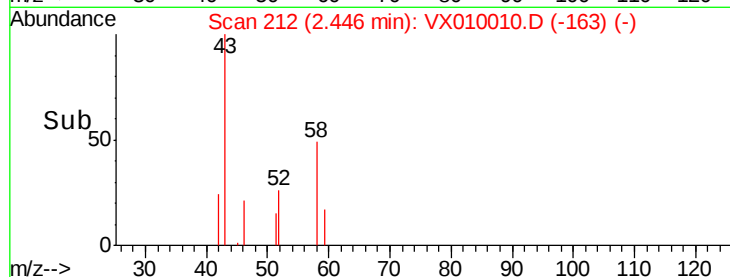
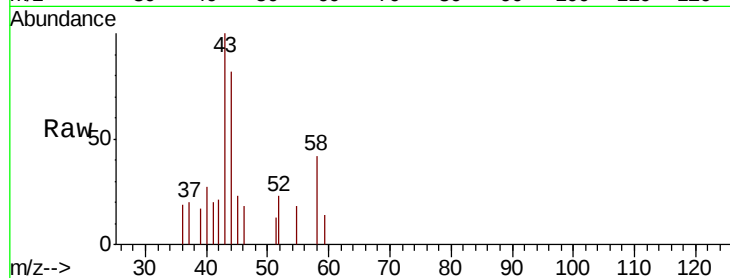
LF012MW201-190528

Tot Ion: 43 Resp: 786

Ion Ratio Lower Upper

43 100

58 41.8 23.2 34.8#



#17

Carbon Disulfide

Concen: 0.489 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010010.D

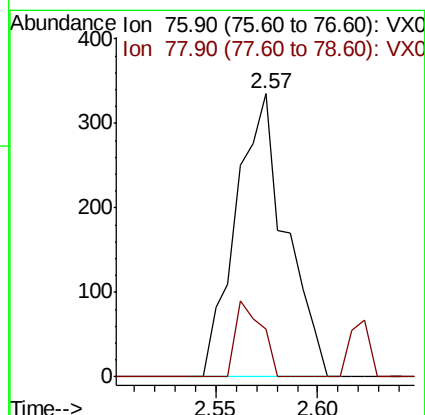
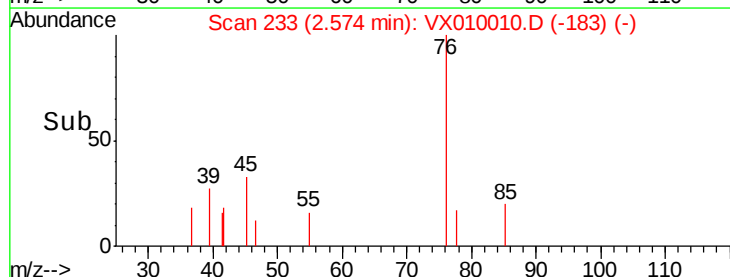
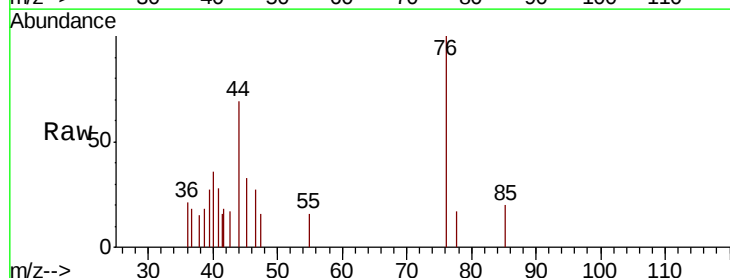
Acq: 01 Jun 2019 02:08

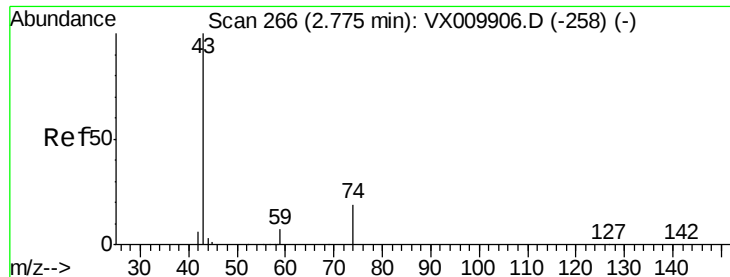
Tgt Ion: 76 Resp: 570

Ion Ratio Lower Upper

76 100

78 16.7 7.0 10.6#

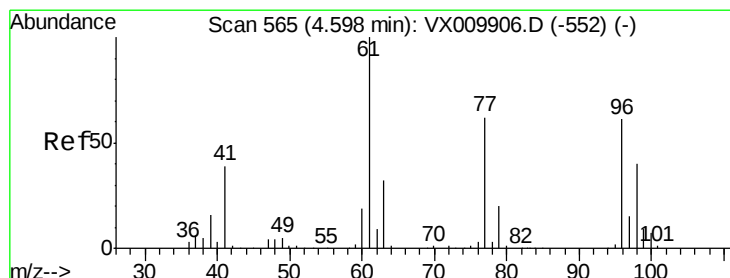
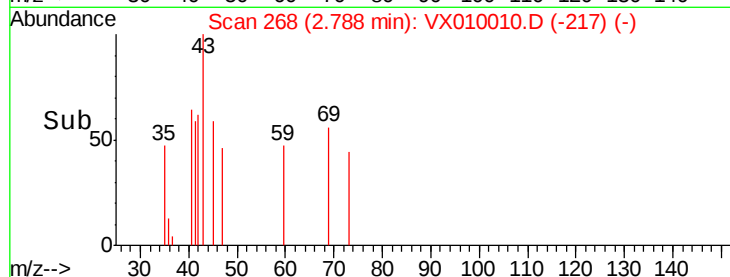
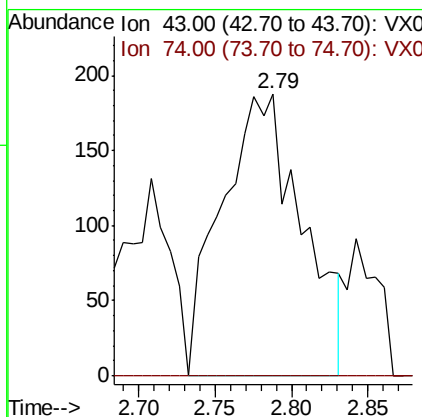
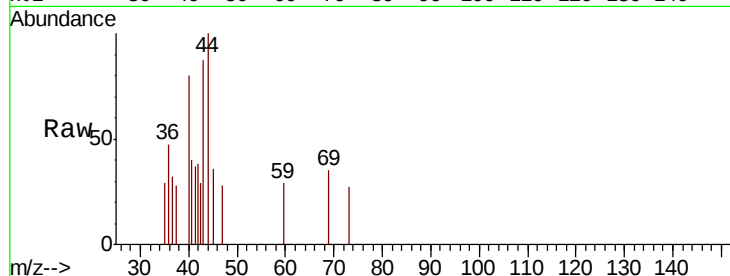




#18
Methvl Acetate
Concen: 0.206 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX010010.D
Acq: 01 Jun 2019 02:08

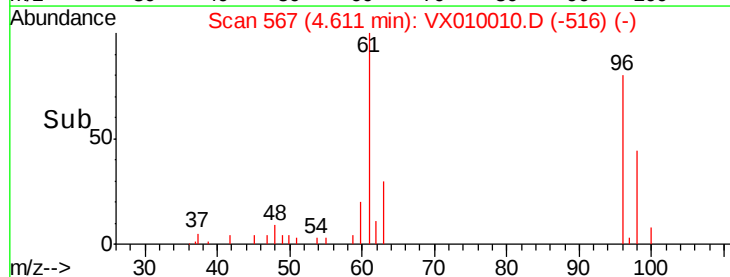
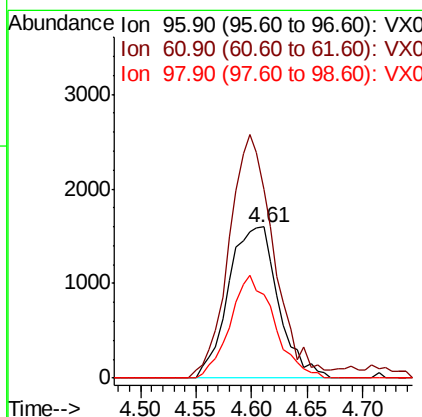
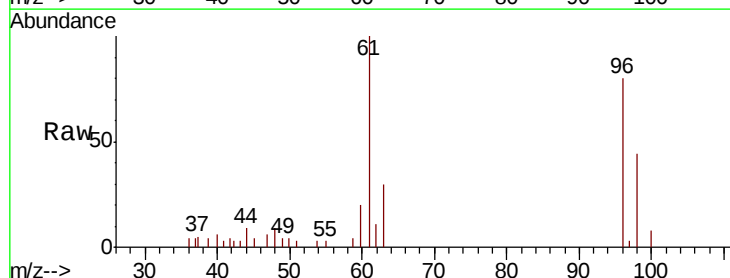
Instrument :
MSVOA_X
ClientSampleId :
LF012MW201-190528

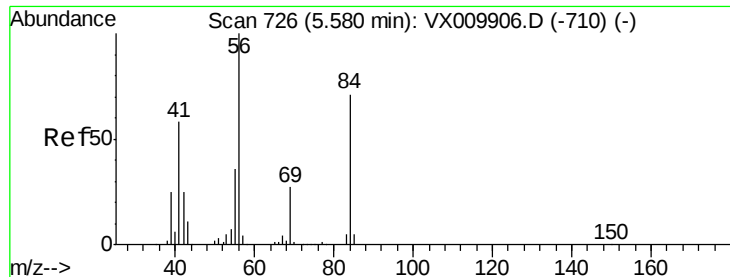
Tot Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.6#



#27
cis-1,2-Dichloroethene
Concen: 2.171 ug/l
RT: 4.61 min Scan# 567
Delta R.T. 0.01 min
Lab File: VX010010.D
Acq: 01 Jun 2019 02:08

Tgt Ion: 96 Resp: 4978
Ion Ratio Lower Upper
96 100
61 144.5 0.0 334.0
98 60.2 0.0 131.6

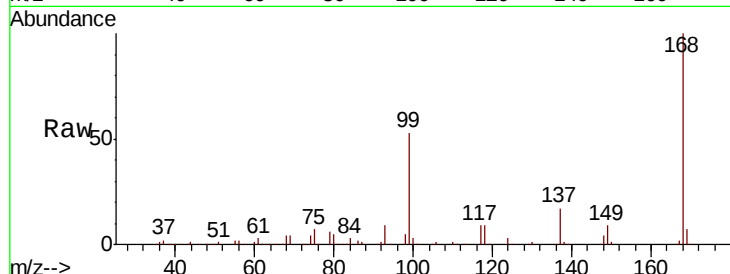




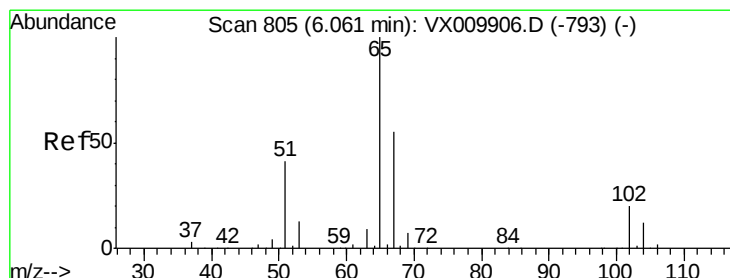
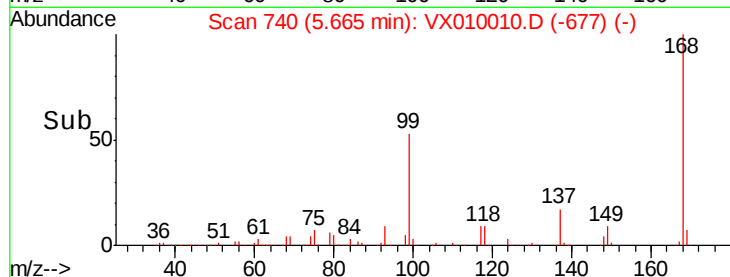
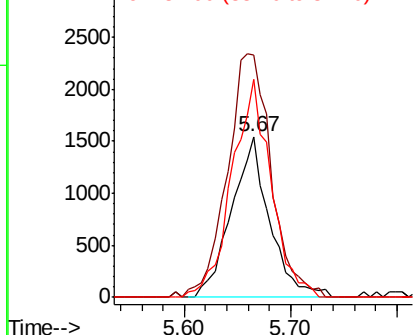
#31
Cyclohexane
Concen: 1.026 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010010.D
Acq: 01 Jun 2019 02:08

Instrument :
MSVOA_X
ClientSampleId :
LF012MW201-190528

Tot Ion: 56 Resp: 3886
Ion Ratio Lower Upper
56 100
69 150.8 21.6 32.4#
84 135.8 56.8 85.2#

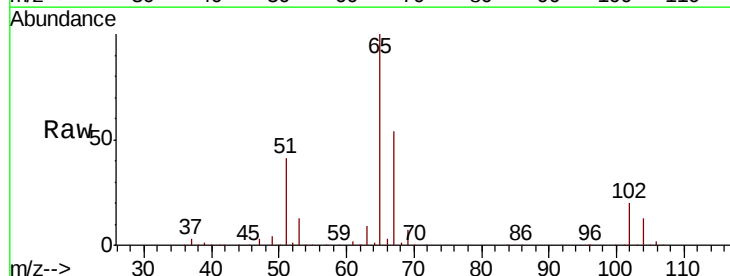


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

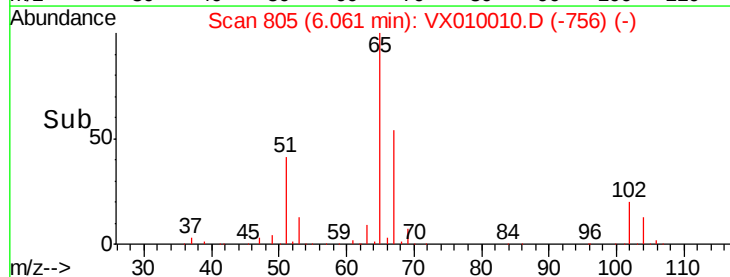
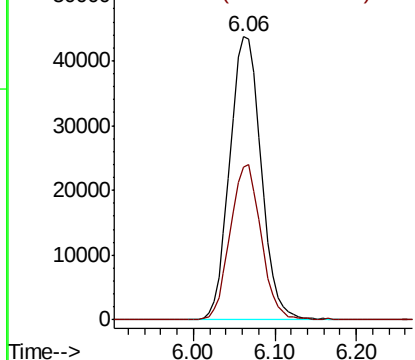


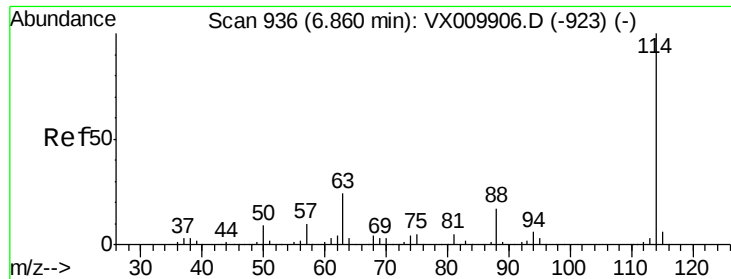
#33
1,2-Dichloroethane-d4
Concen: 46.763 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010010.D
Acq: 01 Jun 2019 02:08

Tgt Ion: 65 Resp: 116426
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

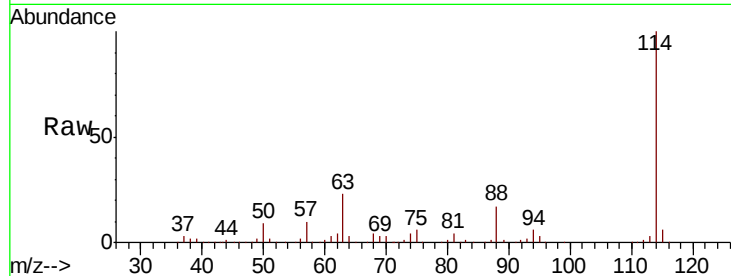




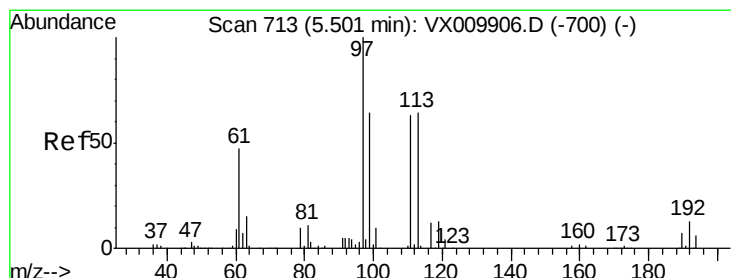
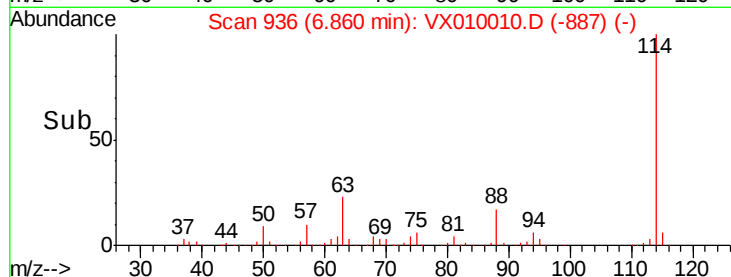
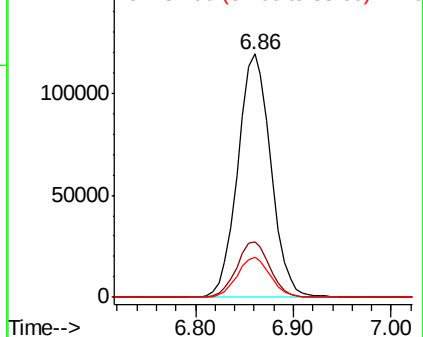
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010010.D
Acq: 01 Jun 2019 02:08

Instrument :
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LF012MW201-190528

Tot Ion:114 Resp: 279127
Ion Ratio Lower Upper
114 100
63 22.8 0.0 47.4
88 16.7 0.0 33.0

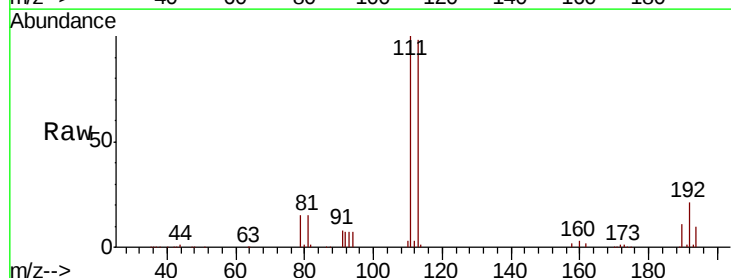


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

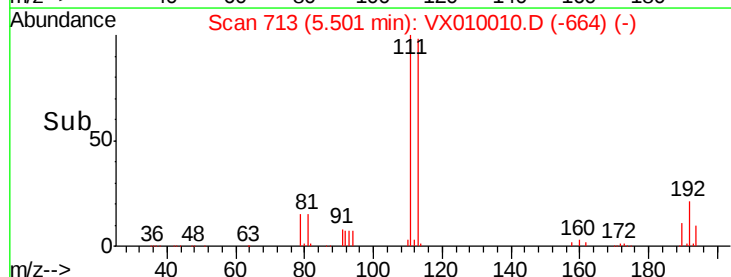
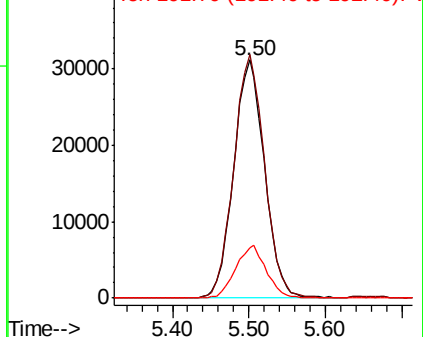


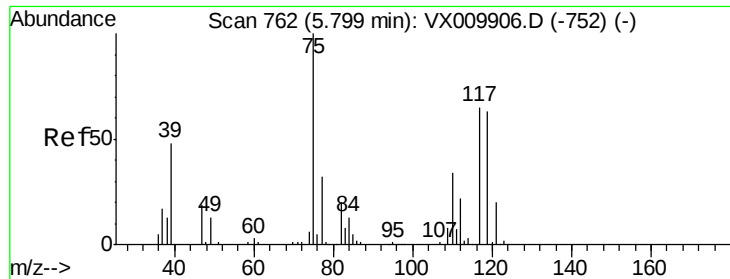
#35
Dibromofluoromethane
Concen: 49.726 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010010.D
Acq: 01 Jun 2019 02:08

Tgt Ion:113 Resp: 87263
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 21.8 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

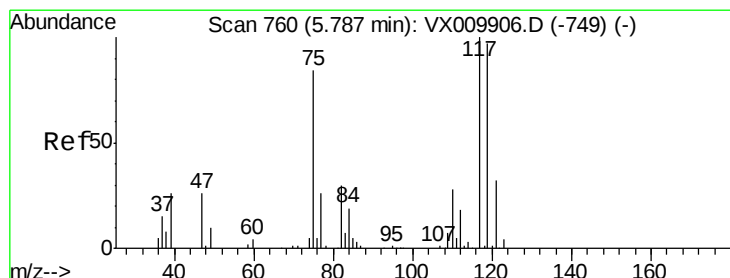
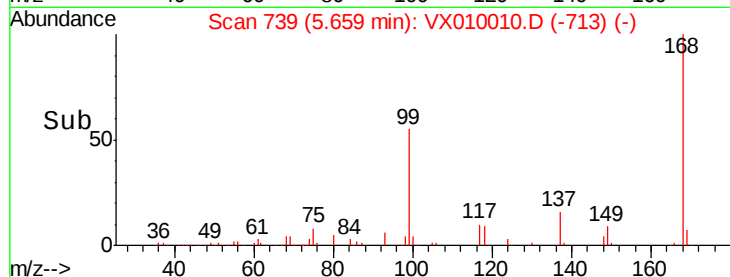
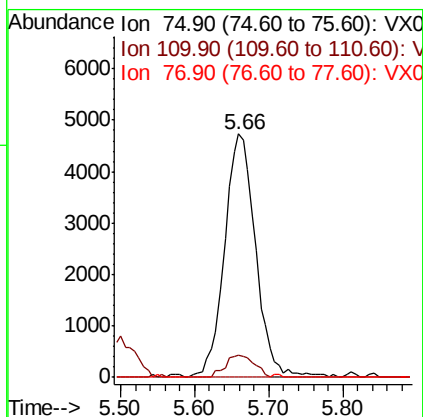
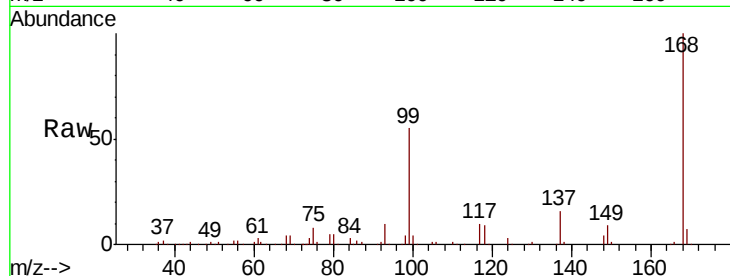




#36
 1,1-Dichloropropene
 Concen: 4.874 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010010.D
 Acq: 01 Jun 2019 02:08

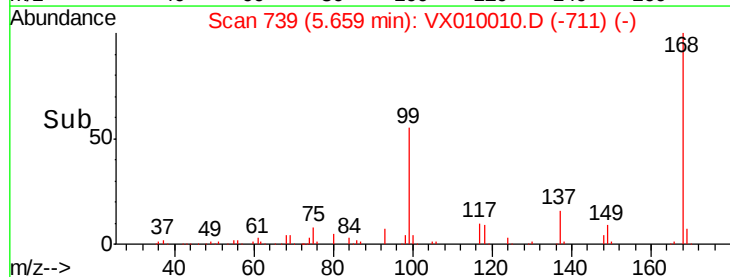
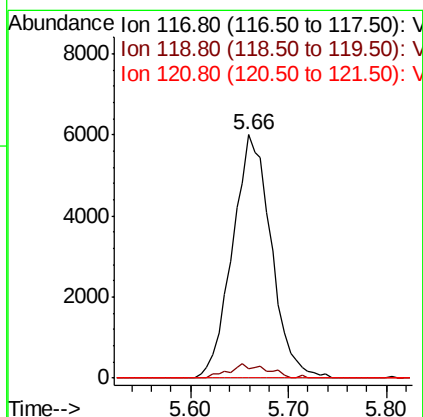
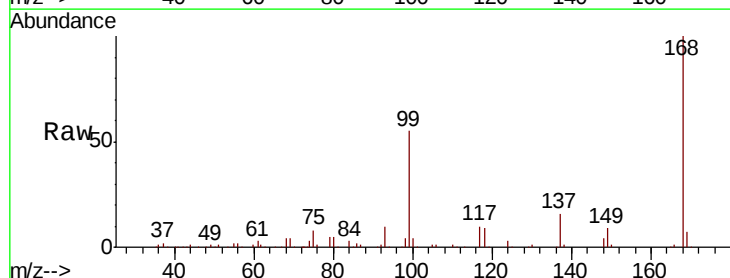
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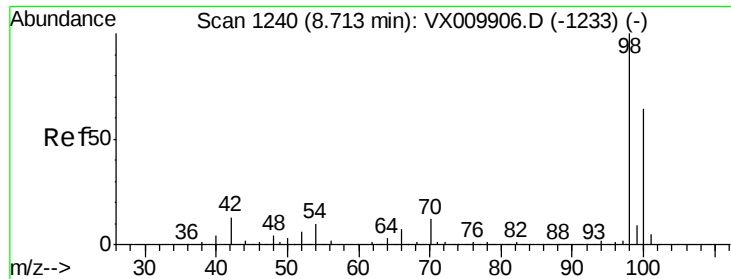
Tot Ion: 75 Resp: 13804
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.7 50.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.728 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010010.D
 Acq: 01 Jun 2019 02:08

Tgt Ion: 117 Resp: 16465
 Ion Ratio Lower Upper
 117 100
 119 3.8 77.3 115.9#
 121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 50.038 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010010.D

Acq: 01 Jun 2019 02:08

Instrument :

MSVOA_X

ClientSampleId :

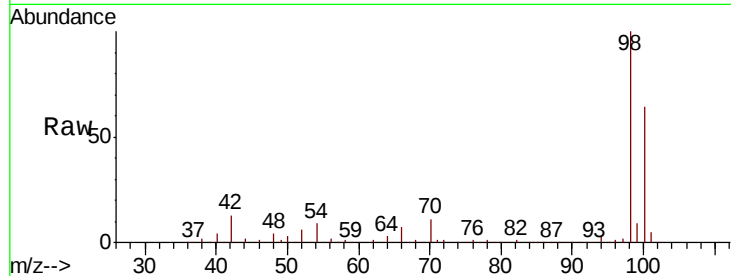
LF012MW201-190528

Tot Ion: 98 Resp: 356582

Ion Ratio Lower Upper

98 100

100 63.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

50000

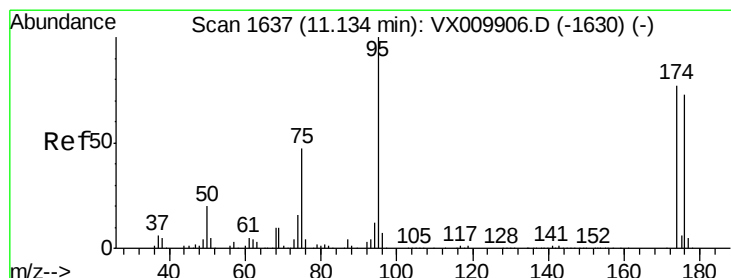
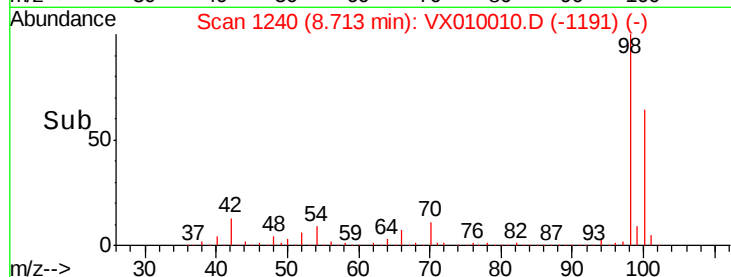
0

8.60

8.70

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 47.016 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010010.D

Acq: 01 Jun 2019 02:08

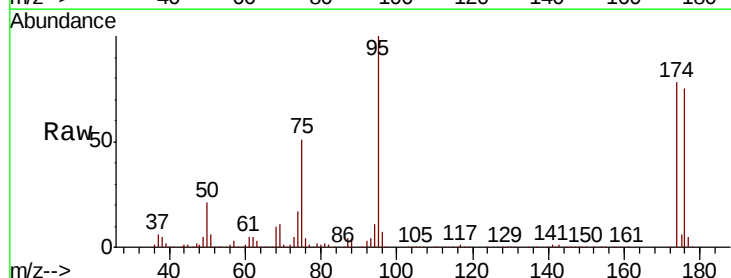
Tgt Ion: 95 Resp: 120341

Ion Ratio Lower Upper

95 100

174 83.1 0.0 160.4

176 81.3 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

40000

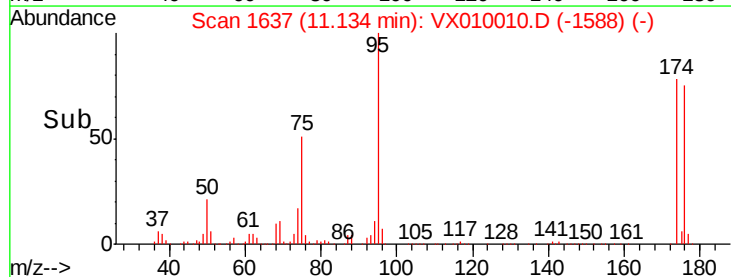
20000

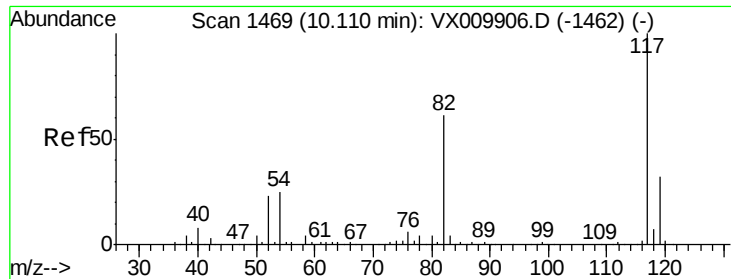
0

11.10

11.20

Time-->

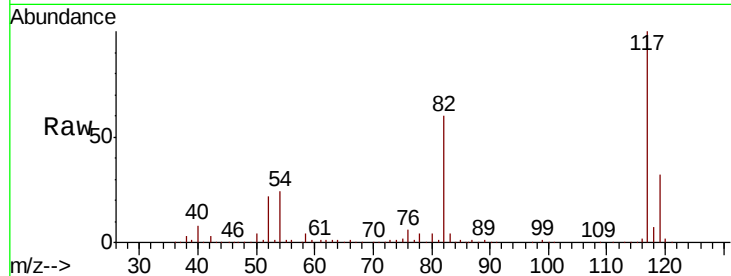




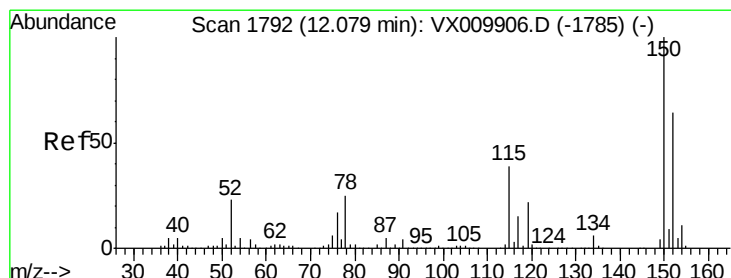
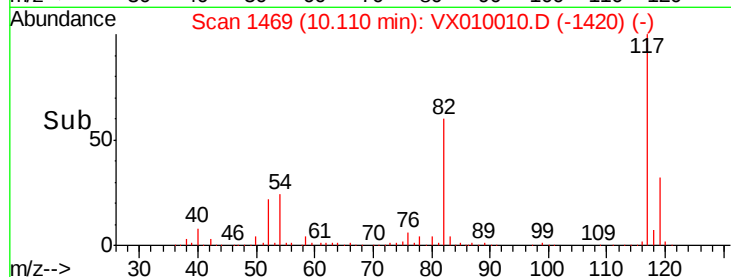
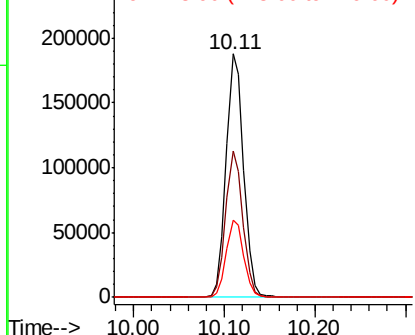
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010010.D
Acq: 01 Jun 2019 02:08

Instrument :
MSVOA_X
ClientSampleId :
LF012MW201-190528

Tot Ion:117 Resp: 252135
Ion Ratio Lower Upper
117 100
82 60.3 49.2 73.8
119 31.8 25.2 37.8

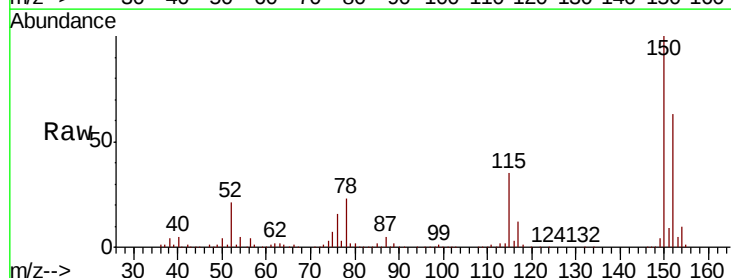


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

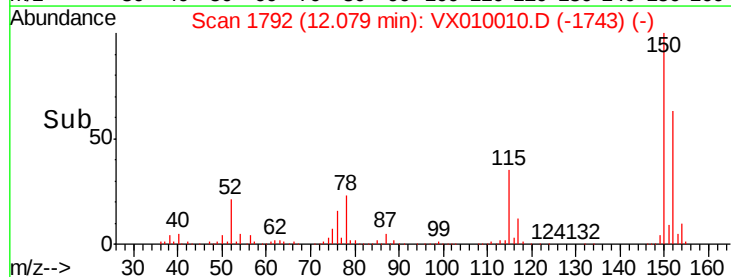
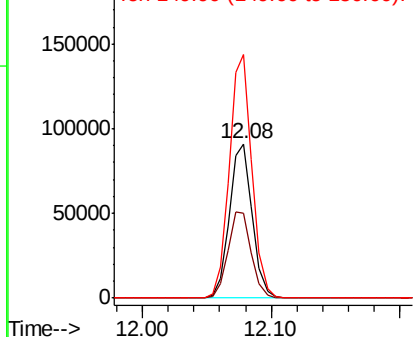


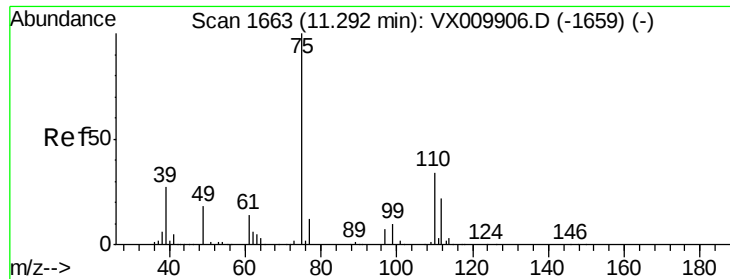
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010010.D
Acq: 01 Jun 2019 02:08

Tgt Ion:152 Resp: 112582
Ion Ratio Lower Upper
152 100
115 57.6 41.4 124.2
150 156.8 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.048 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010010.D

Acq: 01 Jun 2019 02:08

Instrument :

MSVOA_X

ClientSampleId :

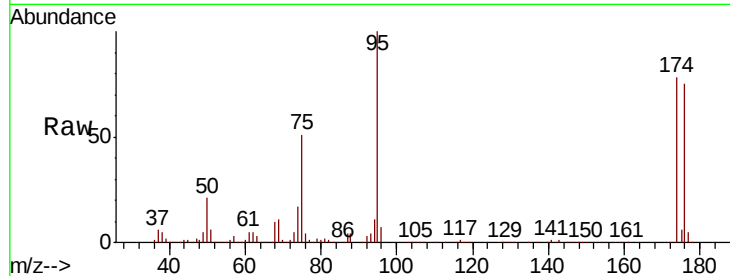
LF012MW201-190528

Tot Ion: 75 Resp: 62049

Ion Ratio Lower Upper

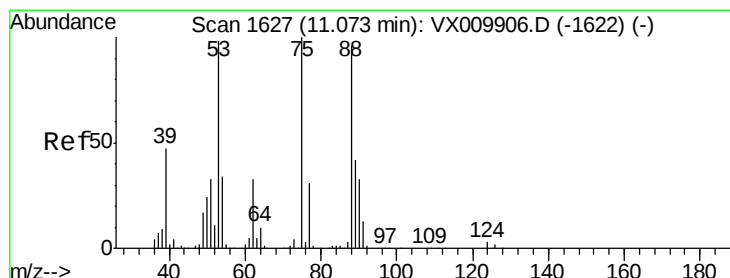
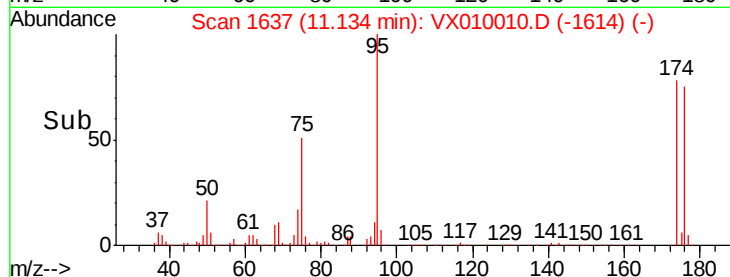
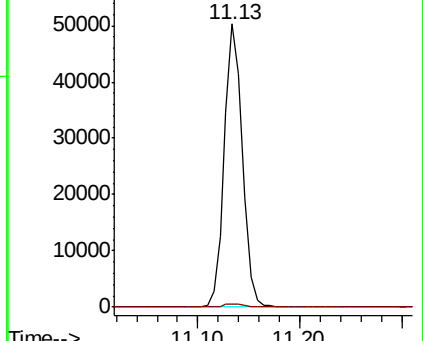
75 100

77 1.5 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 57.024 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010010.D

Acq: 01 Jun 2019 02:08

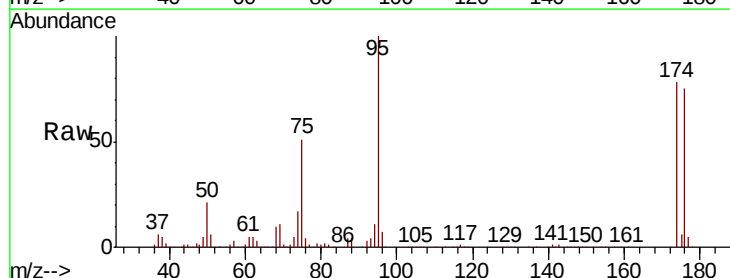
Tgt Ion: 75 Resp: 62049

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

